

1. A socket assembly adapted to be electrically coupled to sensors of an overfill protection system for use on a fuel tanker truck, said socket assembly comprising:

a face plate having an opening therethrough;

5 a socket removably secured to said face plate, said socket having a passage therethrough;

a contact block located inside said passage of said socket;

a plurality of electrically conductive contacts in said contact block adapted to be electrically coupled to wires extending from said sensors;

10 wherein said socket may be removed and replaced without having to disconnect said wires from said contacts.

2. The socket assembly of claim 1 wherein said socket has a plurality of slots adapted to receive interlock studs of a plug when said plug and said socket assembly are coupled together.

3. The socket assembly of claim 1 wherein said contact block has a shoulder adapted to abut said face plate to prevent said contact block from being pushed rearwardly through said opening in said face plate.

4. The socket assembly of claim 1 wherein said contact block is made of electrically insulative material.

5. The socket assembly of claim 1 wherein said contact block is made of plastic.
6. The socket assembly of claim 2 wherein said slots of said socket are J-shaped.
7. The socket assembly of claim 1 wherein said contact block may be pushed rearwardly through said passage in said socket after said face plate is separated from said socket.

8. A socket assembly adapted to be electrically coupled to sensors of an overfill protection system for use on a fuel tanker truck, said socket assembly comprising:

a face plate having an opening therethrough;

5 a socket removably secured to said face plate, said socket having a passage therethrough;

a contact block assembly removably secured inside said passage of said socket, said contact block assembly including a contact block made of electrically insulative material and a plurality of electrically  
10 conductive pins adapted to receive wires from said sensors;

wherein after said face plate is removed from said socket, said contact block assembly may be pushed rearwardly through said passage of said socket without having to disconnect said wires from said pins in order to remove and replace said socket.

9. The socket assembly of claim 8 wherein said socket has a plurality of J-shaped slots adapted to receive interlock studs of a plug when said plug and said socket assembly are coupled together.

10. The socket assembly of claim 8 wherein said contact block is made of plastic.

11. The socket assembly of claim 8 wherein said contact block has a shoulder which abuts said face plate to prevent said contact block from passing through said opening in said face plate.

12. The socket assembly of claim 8 wherein at least one fastener removably secures said contact block to said socket.

13. A socket assembly comprising part of an overfill protection system for use on a fuel tanker truck, said socket assembly being adapted to be electrically coupled to a plug at the end of a cable at a loading rack, said socket assembly comprising:

- 5                   a face plate having an opening therethrough;
- a socket removably secured to said face plate, said socket having a passage therethrough;
- a contact block assembly removably secured inside said passage of said socket to which wires of said overfill protection system may be
- 10               electrically coupled;
- wherein after said face plate is separated from said socket and said contact block assembly separated from said socket, said contact block assembly may be passed through said passage of said socket so that said socket may be replaced without having to disconnect said wires
- 15               from said contact block assembly.

14. The socket assembly of claim 13 wherein said contact block assembly including a contact block made of electrically insulative material and a plurality of electrically conductive pins adapted to receive wires from said sensors.

15. The socket assembly of claim 13 wherein said socket has a plurality of J-shaped slots adapted to receive interlock studs of a plug when said plug and said socket assembly are coupled together.

16. The socket assembly of claim 14 said contact block is made of plastic.

17. The socket assembly of claim 14 wherein said contact block has a shoulder which abuts said face plate to prevent said contact block from passing through said opening in said face plate.

18. The socket assembly of claim 13 wherein at least one fastener removably secures said contact block assembly to said socket.

19. A socket assembly comprising:

a face plate having an opening therethrough;

a socket removably secured to said face plate, said socket having  
a passage therethrough;

5 a contact block made of electrically insulative material located  
inside said passage of said socket;

a plurality of electrically conductive contacts in said contact block  
adapted to be electrically coupled to wires;

10 wherein said socket may be removed and replaced without having  
to disconnect said wires from said contacts.

20. A method of removing a worn socket of a socket assembly for replacement, said socket assembly being electrically coupled to sensors of an overfill protection system for use on a fuel tanker truck, said method comprising:

5 removing said worn socket from a face plate, said worn socket having a plurality of slots on an exterior thereof and a passage therethrough;

removing a contact block assembly from inside said passage of said worn socket, said contact block assembly being electrically coupled to wires of said overfill protection system;

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passing said contact block assembly through said passage of said worn socket so that said worn socket may be removed without having to disconnect said wires from said contact block assembly.



21. A method of replacing a worn socket of a socket assembly, said socket assembly being electrically coupled via wires to sensors of an overfill protection system for use on a fuel tanker truck, said method comprising:

5                    separating a face plate having an opening therethrough from a housing;

                  separating said worn socket from said face plate, said worn socket having a plurality of J-shaped slots on an exterior thereof and a passage therethrough;

10                  removing a contact block assembly from inside said passage of said worn socket, said contact block assembly being electrically coupled to wires of said overfill protection system;

                  passing said contact block assembly through said passage of said worn socket with said wires electrically coupled to said contact block  
15                  assembly;

                  replacing said worn socket with a new socket;

                  securing said new socket to said contact block assembly without disconnecting said wires from said contact block assembly;

                  securing said new socket to said face plate; and

20                  securing said face plate to said housing.

22. A replaceable socket for use in a socket assembly, said socket comprising:

a body having a smooth inner surface and an outer surface in which are formed a plurality of "J" shaped slots; and

5 a passage through said body defined by said smooth inner surface of said body, said passage being adapted to receive and retain a contact block assembly with wires attached to the contact block assembly wherein said contact block assembly may be moved rearwardly through said passage without having to disconnect said wires  
10 from said contact block assembly.